

Description:

Pasture: Pasture is an Android Application that lets user draw polygons on Google Maps. It also displays area of the polygon created.

Technologies and Tools:

IDE - Android Studio IDE 2.2.2,

Programming Language – Java 1.7.0_79,

Libraries – Android Support – v7:24.2.1, play-services-maps:10.0.1

Tested on:

Google Moto 3 – Google API support and Android Lollipop API 21

Limitations:

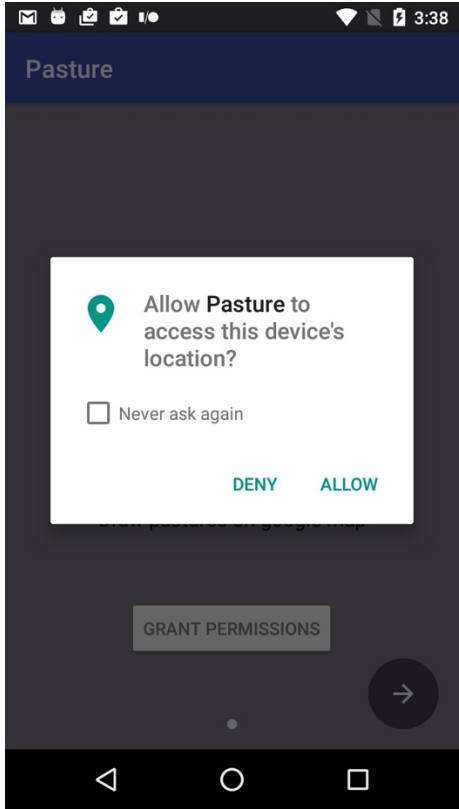
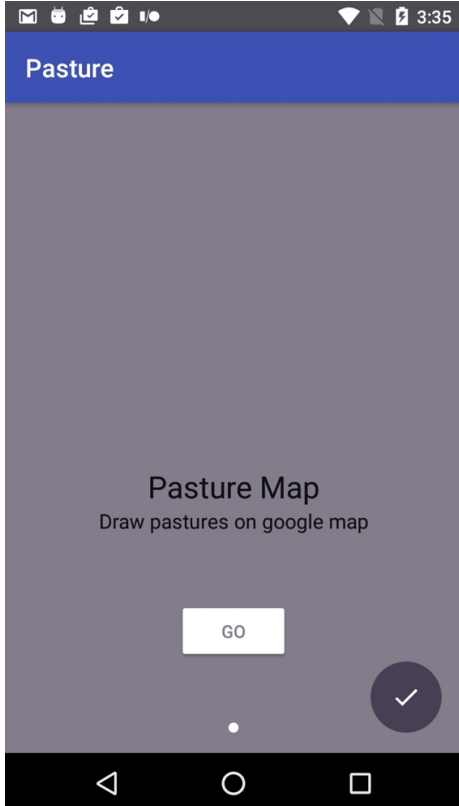
1. Works only with an Internet connection,
2. User should enable Location Services to continue.

Design:

Used Fragments to display Google Maps and Buttons.

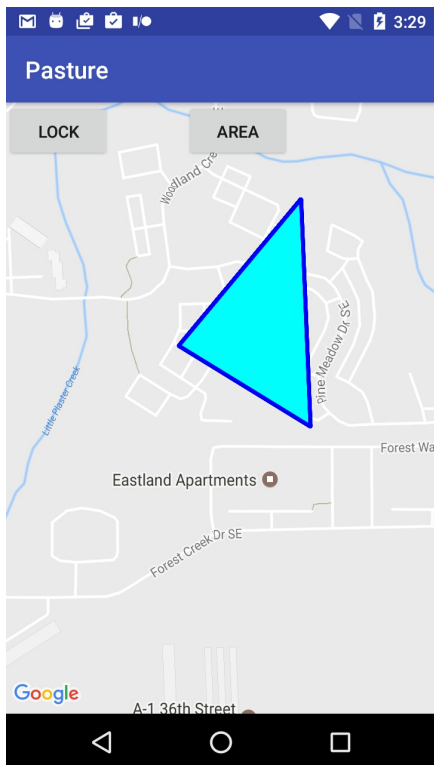
Lock button toggles to the screen. It lets you lock the map and unlock it, So that user can comfortably draw the polygon

Functionalities:

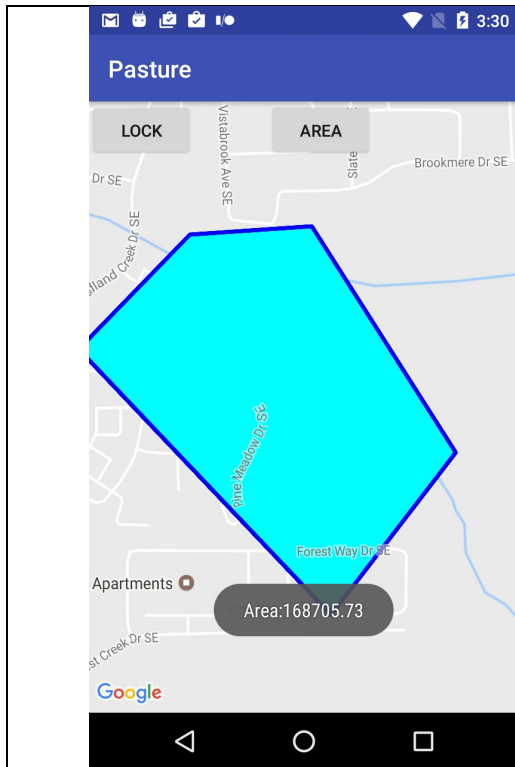
	<p>1. User must allow access to location to continue.</p>
	<p>2. This will be the main screen for users, when ever they start the application. By clicking “GO” button, it takes to the MapView</p>



3. This activity consists of MapFragment, and two buttons. Lock Button toggles to Lock and Unlock, which holds the map so that user can easily draw the polygon.



4. Touch the screen where ever user want's to add the points to form a polygon.



5. Once the polygon is created, Click the “AREA” button to display the are of polygon.